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| Substitute for Form<br>PTO-1390  |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE<br><br><b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b> | ATTORNEY'S DOCKET NUMBER<br>033963-015<br>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/541906</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/GB2005/050094   | INTERNATIONAL FILING DATE<br>21 June 2005 (21.06.2005) | PRIORITY DATE CLAIMED<br>21 June 2004 (21.06.2004)   |   |
| TITLE OF INVENTION<br><br><b>IMPROVEMENTS RELATING TO VELOCITY EXTRACTION</b>  |  |  |   |
| APPLICANT(S) FOR DO/EO/US<br><b>FINCH, Derek Geoffrey and DEAKIN, Anthony Michael</b>  |  |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |  |   |
| 1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission to items concerning a filing under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.<br>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.<br>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).<br>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> has been communicated by the International Bureau.<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).<br>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input type="checkbox"/> is attached hereto.<br>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).<br>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).<br>b. <input type="checkbox"/> have been communicated by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.<br>d. <input type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). |  |  |   |
| Items 11 to 21 below concern document(s) or information included:  |  |  |   |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.<br>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.<br>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.<br>15. <input type="checkbox"/> A substitute specification.<br>16. <input type="checkbox"/> A change of power of attorney and/or address letter.<br>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.<br>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).<br>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).<br>20. <input checked="" type="checkbox"/> Other items or information:<br>1) General Authorization for Petitions for Extensions of Time and Payment of Fees<br>2) Application Data Sheet<br>3) United Kingdom Search Report<br>4) European Search Report   |  |  |   |

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><div style="font-size: 1.5em; font-weight: bold;">10/541906</div> |  | INTERNATIONAL APPLICATION NO.<br>PCT/GB2005/050094 |  | ATTORNEY'S DOCKET NUMBER<br>033963-015 |  |
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| 21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information:<br><u>BAE Systems Integrated System Technologies Limited, Essex, United Kingdom</u><br><br><br><br><br> | <b>CALCULATIONS PTO USE ONLY</b><br><br><br><br><br> |
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22. ☒ The following fees are submitted:

|   |              |              |      |                         |           |
|---|--------------|--------------|------|-------------------------|-----------|
| Basic Filing Fee (1631)   |              |              |      | \$ 300.00               |           |
| Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).      |              |              |      |                         |           |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA | RATE | \$                      |           |
| Total Claims  | 20           | - 20 =       | 0    | x \$50.00 (1615)        | \$ 0.00   |
| Independent Claims  | 1            | - 3 =        | 0    | x \$200.00 (1614)       | \$ 0.00   |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |              |      | + \$360.00 (1616)       |           |
| Examination Fee   |              |              |      | + \$200.00 (1633)       | \$ 200.00 |
| Search Fee  |              |              |      | + \$400.00 (1632)       | \$ 400.00 |
| App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)  |              |              |      |                         |           |
| TOTAL OF ABOVE CALCULATIONS =   |              |              |      |                         | \$ 900.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |              |      | +                       | \$ 0.00   |
| SUBTOTAL =  |              |              |      |                         | \$ 900.00 |
| Processing fee of \$130.00 (1618) for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). |              |              |      |                         | \$ 0.00   |
| TOTAL NATIONAL FEE =  |              |              |      |                         | \$ 900.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +                               |              |              |      |                         | \$ 40.00  |
| TOTAL FEES ENCLOSED =   |              |              |      |                         | \$ 940.00 |
|   |              |              |      | Amount to be refunded : |           |
|   |              |              |      | charged :               |           |

a. ☐ A check in the amount of \_\_\_\_\_ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 02-4800 in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed.

d. ☒ Charge \$ 940.00 to credit card. Form PTO-2038 is attached.

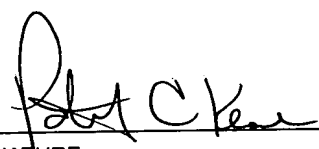
**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Burns, Doane, Swecker & Mathis, L.L.P.  
 P.O. Box 1404  
 Alexandria, Virginia 22313-1404  
 (703) 836-6620

  
 SIGNATURE  
 Patrick C. Keane  
 NAME  
 32,858      July 12, 2005  
 REGISTRATION NO.      DATE

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                               |   |                   |
|-------------------------------|---|-------------------|
| In re Patent Application of   | ) |                   |
| Derek Geoffrey FINCH et al.   | ) | Group Art Unit:   |
| Application No.: Unassigned   | ) | Examiner:         |
| Filed: July 12, 2005          | ) | Confirmation No.: |
| For: IMPROVEMENTS RELATING TO | ) |                   |
| VELOCITY EXTRACTION           | ) |                   |

**GENERAL AUTHORIZATION FOR PETITIONS  
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. § 1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DORNE, SWECKER & MATHIS, L.L.P.

Date: July 12, 2005

By:   
Patrick C. Keane  
Registration No. 32,858

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